Tutor: Qiuxia Lin
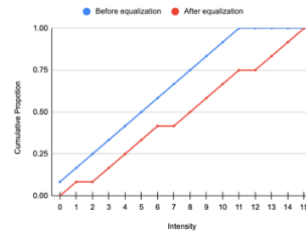   qiuxia@comp.nus.edu.sg

A1:

Refer to this google sheet to see the exact equation on how to do equalization mapping.

Original Intensity	Intensity after histogram equalization				
	(a)	(b)	(c)	(d)	(e)
0	2	1	0	0	0
1	4	3	1	2	1
2	6	4	3	3	2
3	8	5	4	4	4
4	9	6	8	6	4
5	11	8	10	7	6
6	13	9	12	8	6
7	15	10	15	9	8
8	15	11	15	11	9
9	15	13	15	14	10
10	15	14	15	14	11
11	15	15	15	15	12
12	15	15	15	15	13
13	15	15	15	15	13
14	15	15	15	15	14
15	15	15	15	15	15
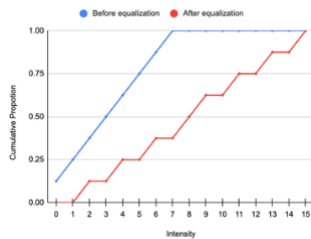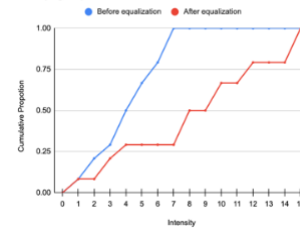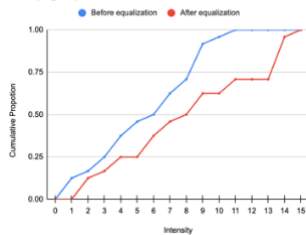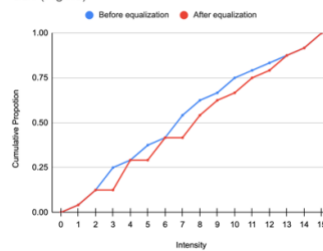
A2:

Pixel position	Output pixel intensity		
	cross-correlation	convolution	median filtering
(0,0)	152	149	0
(2,2)	135	120	4
(4,3)	204	220	3

Coding: see `CS4243-Tutorial-01-Solution.ipynb`